



"PROPOSED PROGRAM
TO MODIFY HR-73C
CONFIGURATION "

Prepared By

Project Manager

Director of

STATOTHR

ITEM	DO AT	BY	WHEN
1. Complete 3rd set of optics	PE	PE	2 June — 31 July ?
<u>Phase I</u> 2. Modification of two 300" Collimators <ul style="list-style-type: none"> a. Modify No. 1 b. Align No. 1 c. Modify No. 2 d. Align No. 2 	PE H PE T. S.	PE PE PE PE	Done 2-4 June 4-10 June 24-26 June
3. Mount primary in new design, stiff, three point mount.	PE	PE	Done
4. Remount G. Mirror with stiff arm support	PE	PE	Done
5. Remove structure and motor isolators	PE	PE	Done
6. Plastic Foam Rigidizing of covers <ul style="list-style-type: none"> a. Test and study b. Application and installation 	PE & R PE or H	R R	26 May — 30 June ? 2 June - 2 July ?
7. Mechanical Dampers for H, I & Primary Mirror <ul style="list-style-type: none"> a. Test and Study b. Application and Installation 	PE & R PE & T. S.	R R	26 May — 30 June ? 9 June - 2 July ?
8. Remount Gyro Sensor, Shutter & Programmer on Super Structure	H	H	26 May - 23 June
9. Three axis positioning Servo Test & Installation	H	H	26 May - 23 June

ITEM

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WHEN

<p>1. Cager Motor cut-off</p> <p>a. Design</p> <p>b. Fabricate & Install</p>	<p>H</p> <p>H</p>	<p>H</p> <p>H</p>	<p>26 May - 10 June</p> <p>11 June - 23 July</p>
<p>2. Configuration Mounting Isolators from External A/C Vibrations</p> <p>a. Interim Isolators</p> <p>b. Final Isolators</p> <p>1. Study</p> <p>2. Fabrication & Installation</p>	<p>H</p> <p>R, P.E., H. & T.S.</p> <p>R & T.S.</p>	<p>H</p> <p>R</p> <p>R</p>	<p>26 May - 23 June</p> <p>2 - 30 June</p> <p>1 July - 30 Sept. ?</p>
<p>3. Stiffen stabilization Solenoid brackets</p>	<p>H</p>	<p>H</p>	<p>26 May - 23 June</p>
<p>4. Balance armatures of all motors</p>	<p>H</p>	<p>H</p>	<p>10 - 23 June</p>
<p>5. Assemble optics structure and align</p>	<p>PE</p>	<p>PE</p>	<p>16 - 19 June</p>
<p>6. Ship Optics structure and associated equipment from PE to H</p>	<p>PE & H</p>	<p>PE (& customer)</p>	<p>19 - 20 June</p>
<p>7. Mate optics structure with Configuration and check alignment</p>	<p>H</p>	<p>PE & H</p>	<p>24 - 26 June</p>
<p><u>Phase II</u></p> <p>7. Testing Of Modifications</p> <p>a. Mechanical vibration analysis of Configuration</p> <p>b. Static photo tests of Configurations</p> <p>c. Misc. testing of Configuration performance</p>	<p>H</p> <p>H</p> <p>H</p>	<p>R</p> <p>PE</p> <p>PE & H</p>	<p>26 June - 2 July</p> <p>26 June - 2 July</p> <p>26 June - 2 July</p>

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18. Ship Configuration to T. S.

H-T.S.

H

3 July

Phase III

19. Final check-out test

T. S.

PE & H

7 - 11 July

20. No. 1 Test Flight

a. Preflight

T. S.

PE & H

14 - 16 July

b. Flight

T. S.

PE & H

17 July

c. Post Flight

T. S.

PE & H

18 July

No. 2 Test Flight

a. Preflight

T. S.

21 - 23 July

b. Flight

T. S.

PE & H

24 July

c. Post Flight

T. S.

PE & H

25 July

No. 3 Test Flight

a. Preflight

T. S.

28 - 30 July

b. Flight

T. S.

PE & H

31 July

c. Post Flight

T. S.

PE & H

1 August

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